

20010416.ba v03_n144.bam.20010416

>From ???@??? Mon Apr 16 10:33:37 2001 -0500
Message-Id: <200104161533.f3GFXMXA018533@sco.theporch.com>
Date: Mon, 16 Apr 2001 10:32:53 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3144

BOATANCHORS Digest 3144

Topics covered in this issue include:

- 1) RE: ID long lost BA
by "ROBERT W. DOWNS" <RWDwns_WA5CAB@compuserve.com>
- 2) HRO sensitivity
by "philip" <dgnova@erols.com>
- 3) Temporary leave of absence
by James.Reid@merisel.com
- 4) FOR SALE: Harvey-Wells VFO
by "James W. Miller" <jmiller@Basit.COM>
- 5) Sig Gen TS-413C/U
by "RAY JEFFERSON" <w7fni@micron.net>
- 6) Re: Sig Gen TS-413C/U
by "Sandy" <ebjr@i-55.com>
- 7) Re: HRO-50
by Ed Zeranski <ezeran@concentric.net>
- 8) HP 410B RF probe tube
by "w0dg" <w0dg@email.msn.com>
- 9) Re: HP 410B RF probe tube
by "russ dworakowski" <wb3fau@hotmail.com>
- 10) HP 410B RF probe tube
by "Donald Gieszelmann" <w0dg@email.msn.com>
- 11) Re: HP 410B RF probe tube (Duplicate please Ignor)
by "w0dg" <w0dg@email.msn.com>
- 12) ART-13 Mod Transformer Needed
by "Russ Schroeder" <w2dyy@rochester.rr.com>
- 13) Re: HP 410B RF probe tube
by "Benjamin D. Hall" <kd5byb@earthlink.net>
- 14) Re: HP 410B RF probe tube
by Heinz und Hannelore Breuer <hbreuer@debitel.net>
- 15) Re: HP 410B RF probe tube
by "Arthur I. Larky" <ail0@lehigh.edu>
- 16) Re: HP 410B RF probe tube
by Scott Robinson <spr@earthlink.net>
- 17) EIMAC 2-01C Tubes for HP 410B RF Probe
by George J Misic <ke8rn@juno.com>
- 18) Website

- by "Ed Tanton" <n4xy@att.net>
- 19) Manual
by Morris Odell <Morris0@vifp.monash.edu.au>
- 20) anyone have a new 4-400 or 4-250?
by john <johnmb@mindspring.com>
- 21) Foothill swap/Measurements Model 80
by "Dennis L. Wade" <dlwade@pacbell.net>
- 22) Re: HP 410B RF probe tube
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>
- 23) Re: HP 410B RF probe tube (fwd)
by John Poulton <jp@cs.unc.edu>
- 24) 805's as modulators
by w5sum@glowbugs.com
- 25) RE: 7591 Substitutes ??
by "Shriver, John" <john.shriver@intel.com>

Date: Thu, 12 Apr 2001 12:19:44 -0400
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: RE: ID long lost BA
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <200104121219_MC2-CC5A-764E@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

A.B.,

Sounds like the BC-1137-A, the receiver only version of the SCR-694-AW (development model of the SCR-694-C [BC-1306]). I have had two of the GN-53 hand crank generators for the receiver-transmitter version (BC-1136-A), one of which was also painted white. Info on the set is virtually non-existent, but from a few photos that I have seen, it appears that the BC-1137 and BC-1136 used the same case, with the upper compartment being occupied by either the vibrator supply or the transmitter respectively.

Someone on one of these lists recently came up with a BC-1137. =

>I am inspired to try again to ID a BA that I used when I was a kid about= 100 years ago. Well, 1950's. It was military. My recollection is a uni=t

The odd bit about this one was that it was painted white all over. This was not an afterthought, the panel labels were quite nicely filled.

<

73,

Robert Downs

<RWDowns_WA5CAB@compuserve.com>

Houston

Message-ID: <006c01c0c395\$d5b18be0\$b4152c42@philip>

From: "philip" <dgnova@erols.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: HRO sensitivity

Date: Thu, 12 Apr 2001 17:16:25 -0400

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Keep in mind that the HRO antenna input impedance is about 500 ohms. For best operation use a folded dipole or similar high impedance antenna.

In comparing it to a 50 ohm receiver, take the square root of (500/50) or about 3.1 and divide the HRO sensitivity by this figure. So if the HRO measures 3.1 microvolts, then it is comparable to a 50 ohm receiver of 1 microvolt

Philip McCoy dgnova@erols.com

Mime-version: 1.0

Date: Thu, 12 Apr 2001 16:02:24 -0700

Message-ID: <202174.50087@merisel.com>

From: James.Reid@merisel.com

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Temporary leave of absence

Content-type: text/plain; charset="US-ASCII"

Content-transfer-encoding: 7bit

Content-description: cc:Mail note part

Content-disposition: inline

Greetings all,

I must temporarily take myself off the BA list while I relocate about 180 miles north of my present location here in Los Angeles. Look forward to dealing with you soon as soon as I get settled in my new position. If any of you are going to the SLO military swapfest this year, I'm planning on attending as I'll

just be "down the street" in Nipomo. Take care and keep the tubes glowing.

73,
-Jim
N6SVS

Message-ID: <3AD6F2F1.C217EF0E@Basit.com>
Date: Fri, 13 Apr 2001 08:37:05 -0400
From: "James W. Miller" <jmiller@Basit.COM>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FOR SALE: Harvey-Wells VFO
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

FOR SALE: Harvey-Wells TBS-50 VFO. This is the companion VFO to the Harvey-Wells BandMaster. Good condition (at least an "8") and works well. Includes copy of the manual. This VFO is rare so if you have the BandMaster Transmitter, this is an opportunity.
\$290 & shipping.

Tnx & 73, Jim WA2UMP

Message-ID: <000a01c0c3f6\$df29bec0\$0dda0a3f@default>
From: "RAY JEFFERSON" <w7fni@micron.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Sig Gen TS-413C/U
Date: Fri, 13 Apr 2001 08:51:01 -0000
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_0007_01C0C3F6.DDF27740"

This is a multi-part message in MIME format.

-----_NextPart_000_0007_01C0C3F6.DDF27740
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Greetings to all: I have a sick sig generator marked as TS-413C/U. So = far looking in the usual corners I have been unable to find a manual for = this. Does the TS stand for test set? Is it part of a test set = group??? Any and all help would be greatly appreciated.

Ray Jefferson
W7FNIsince 1934

Remember....were all in this together!

-----=_NextPart_000_0007_01C0C3F6.DDF27740

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
*      (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
*      If your postings display this message your mail program *
*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

-----=_NextPart_000_0007_01C0C3F6.DDF27740--

Message-Id: <200104131652.LAA12096@exit1.i-55.com>

From: "Sandy" <ebjr@i-55.com>

To: Old Tube Radios <boatanchors@theporch.com>

Cc: "Boatanchors reflector" <boatanchors@theporch.com>

Subject: Re: Sig Gen TS-413C/U

Date: Fri, 13 Apr 2001 11:51:18 -0500

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

From: RAY JEFFERSON <w7fni@micron.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Sig Gen TS-413C/U

Date: Friday, April 13, 2001 3:51 AM

Greetings to all: I have a sick sig generator marked as TS-413C/U. So far looking in the usual corners I have been unable to find a manual for this. Does the TS stand for test set? Is it part of a test set group??? Any and all help would be greatly appreciated.

Ray Jefferson

W7FNIsince 1934

"TS" stands for non other than: TEST SET.

73,

Sandy W5TVW

Message-Id: <4.2.0.58.20010413214541.009cf830@pop3.concentric.net>
Date: Fri, 13 Apr 2001 21:50:49 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Ed Zeranski <ezeran@concentric.net>
Subject: Re: HR0-50
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

> I would never ship a
> monster like the R-808 for anything less than several
> \$100's selling price, considering all the work & hassle
> the packaging would require. And the R-808 is certainly
> not worth that much.
> Hue

It is an ok receiver though not much talked about and certainly a failure in its original role. As said before, mine was saved from a dumpster death in Norfolk then Dave Stinson loaned me the manual to fix the thing after UPS punishment. It sits with the R392 and GRR-5 as a sealed RX from the '50s-early '60s.

Message-ID: <00a501c0c4ee\$809b5d20\$21ffb8cd@oemcomputer>
From: "w0dg" <w0dg@email.msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: HP 410B RF probe tube
Date: Sat, 14 Apr 2001 09:23:38 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Anyone know of a source for the EA 53 tube for this probe or does anyone care to part with one ?

Thanks

Don w0dg

From: "russ dworakowski" <wb3fau@hotmail.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: HP 410B RF probe tube

Date: Sat, 14 Apr 2001 10:48:59 -0400
Mime-Version: 1.0
Content-Type: text/plain; format=flowed
Message-ID: <LAW2-F14V6uPDVniSnR0000776e@hotmail.com>

Can you substitute anything Don? Years ago I had a Hickok VTVM that did that trick with the tube in the probe- worked like a cathode follower. If it is in fact a cathode follower in your application- there is no gain involved. So you could use a sub. An original replacement may be real tuff to find. Good luck Russ

>From: "w0dg" <w0dg@email.msn.com>
>Reply-To: w0dg@email.msn.com
>To: Old Tube Radios <boatanchors@theporch.com>
>Subject: HP 410B RF probe tube
>Date: Sat, 14 Apr 2001 09:23:38 -0500
>
>Hello,
>
>Anyone know of a source for the EA 53 tube for this probe or does
>anyone care to part with one ?
>
>Thanks
>
>Don w0dg
>

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

From: "Donald Gieszelmann" <w0dg@email.msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: HP 410B RF probe tube
Date: Sat, 14 Apr 2001 19:21:28 -0500
Message-ID: <MABBIBDHGKG00BDDJJLJOEHDCKAA.w0dg@email.msn.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

Anyone know of a source for a replacement tube
for the RF probe on the 410B, I believe it is an EA-53.

Thanks

Don w0dg

Message-ID: <000b01c0c543\$325cd800\$dae85ecf@oemcomputer>
From: "w0dg" <w0dg@email.msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: HP 410B RF probe tube (Duplicate please Ignor)
Date: Sat, 14 Apr 2001 19:29:54 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Duplicate

----- Original Message -----

From: "Donald Gieszelmann" <w0dg@email.msn.com>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Saturday, April 14, 2001 7:21 PM
Subject: HP 410B RF probe tube

> Hello,
>
> Anyone know of a source for a replacement tube
> for the RF probe on the 410B, I believe it is an EA-53.
>
> Thanks
>
> Don w0dg
>

Message-ID: <001e01c0c550\$4c81bb80\$73561842@rochester.rr.com>
From: "Russ Schroeder" <w2dyy@rochester.rr.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: <w2dyy@rochester.rr.com>
Subject: ART-13 Mod Transformer Needed
Date: Sat, 14 Apr 2001 22:03:42 -0400
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="-----_NextPart_000_001B_01C0C52E.C4FA9D60"

This is a multi-part message in MIME format.

-----_NextPart_000_001B_01C0C52E.C4FA9D60
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

Hollowstaters,

Several months ago, I picked up an ART-13 with power supply. Finall got = around to checking it out. The former owner seemed to remember a problem = with the audio as the reason it went on the shelf many years ago. A = quick check of the major components revealed an open in one side of the = primary of the modulation transformer. Definitely would cause audio = problems! Does anyone have a junker ART-13 with an intact modulation = transformer? Any help would be appreciated in getting this old beauty = back in operating shape.

73 Russ W2DYY

w2dyy@rochester.rr.com

-----=_NextPart_000_001B_01C0C52E.C4FA9D60

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
*      (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
*      If your postings display this message your mail program *
*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

-----=_NextPart_000_001B_01C0C52E.C4FA9D60--

Message-Id: <5.0.2.1.0.20010414214409.00a3c280@mail.earthlink.net>

Date: Sat, 14 Apr 2001 21:52:29 -0500

To: Old Tube Radios <boatanchors@theporch.com>

From: "Benjamin D. Hall" <kd5byb@earthlink.net>

Subject: Re: HP 410B RF probe tube

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Hi Don and gang...

Are you sure the tube is an EA-53? Reason I ask is that a while ago, I found a tube in some stuff that I was given that I was told here was for the probe of a 410B. It has on it "2-01C" and is made by, ta da, Eimac!

On another subject, I had the distinct pleasure of conducting some vibration testing using a very large boatanchor amplifier last week. The unit in question is part of our vibration test equipment at work (Wyle Laboratories - we break stuff so you won't have to!). It had two 4-400's (I think) as drivers, glowing bright as light bulbs, and a pair of big-honkin' tubes in the final. Like 10" in diameter, 15" long. Glowing a dull red. According to the meters, she was running about 1 amp at 15kV on the PA tubes (eep!), with something like -7kV bias? Filament was 12 volts. One of the finals was Eimac, the other was a name I don't recognize. The output was into a shaker table of about 0.17 ohms impedance. Boy I bet that output transformer is pricey!!! The field of the shaker was running at about 400 amps.

I've got pics at work and can slap 'em on the web if anyone is interested...

thanks and 73,
ben

At 07:21 PM 4/14/01 -0500, Donald Gieszelmann wrote:

>Anyone know of a source for a replacement tube
>for the RF probe on the 410B, I believe it is an EA-53.
>

From the computer of Benjamin D. Hall, kd5byb@earthlink.net.
Northern Alabama, USA.
"An as ye harm none, do what ye will."

Message-ID: <3AD96B4C.E0724179@debitel.net>
Date: Sun, 15 Apr 2001 11:35:43 +0200
From: Heinz und Hannelore Breuer <hbreuer@debitel.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: HP 410B RF probe tube
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

the 2-01C and EA53 are interchangeable but I remember something about setting the filament voltage pot inside the HP-410B. The 2-01C has a 5V filament and the EA53 is 6.3V. Check the manual.
AES has both tubes in stock at \$50+. It might be cheaper to look for another HP-410B at a swapmeet. I found them as cheap as \$10 complete with working probe.

73

Heinz KM5VT

"Benjamin D. Hall" wrote:

>
> Hi Don and gang...
>
> Are you sure the tube is an EA-53? Reason I ask is that a while ago, I
> found a tube in some stuff that I was given that I was told here was for
> the probe of a 410B. It has on it "2-01C" and is made by, ta da, Eimac!

Message-ID: <3AD9DD10.8632DD74@lehigh.edu>
Date: Sun, 15 Apr 2001 13:40:32 -0400
From: "Arthur I. Larky" <ail0@lehigh.edu>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: HP 410B RF probe tube
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I seem to recall that there is some sort of fitting required when changing from one of those tubes to the other. The details of the fitting and setting the filament voltage are in the manual.
Art K3HBA

Heinz und Hannelore Breuer wrote:

> Hi,
>
> the 2-01C and EA53 are interchangeable but I remember something about
> setting the filament voltage pot inside the HP-410B. The 2-01C has a 5V
> filament and the EA53 is 6.3V. Check the manual.
> AES has both tubes in stock at \$50+. It might be cheaper to look for
> another HP-410B at a swapmeet. I found them as cheap as \$10 complete
> with working probe.
> 73
> Heinz KM5VT
>
> "Benjamin D. Hall" wrote:
> >
> > Hi Don and gang...
> >
> > Are you sure the tube is an EA-53? Reason I ask is that a while ago, I
> > found a tube in some stuff that I was given that I was told here was for
> > the probe of a 410B. It has on it "2-01C" and is made by, ta da, Eimac!

Message-Id: <v03007804b6ffc24b457f@[38.28.75.31]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Sun, 15 Apr 2001 14:26:09 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Scott Robinson <spr@earthlink.net>
Subject: Re: HP 410B RF probe tube

>
>Folks,
>
>I have some NOS EA50, also 6.3V heater and similar enough to be of use
>here. Available for postage if interested to the person who's fixing his
>410. By now I've llost track of who that is!
>
>Regards,
>
>
>
>Scott Robinson
>spr@earthlink.net
>
>Junque is GOOD for you!
>

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Date: Sun, 15 Apr 2001 19:25:19 -0400
Subject: EIMAC 2-01C Tubes for HP 410B RF Probe
Message-ID: <20010415.192526.-262157.0.KE8RN@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
From: George J Misic <ke8rn@juno.com>

Hello BA Gang,

I have five NEW, EIMAC 2-01C tubes, in the original military boxes
available. I'll sell them for \$10.00 each, 1/5 of the AES price, plus

postage [\$3.50 for any number via Priority Mail in the USA]. By the way, I also have quantities of NOS 6SQ7s, 7C5s [for the 32V-X Collins rigs], and many other tubes [if you need something, feel free to ask]. Thanks for the BW; 73.

George KE8RN

> the 2-01C and EA53 are interchangeable but I remember something about setting the filament voltage pot inside the HP-410B. The 2-01C has a 5V filament and the EA53 is 6.3V. Check the manual.
> AES has both tubes in stock at \$50+.

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<http://dl.www.juno.com/get/tagj>.

From: "Ed Tanton" <n4xy@att.net>

To: Old Tube Radios <boatanchors@theporch.com>

Cc: "Boatanchors-Tempe" <BOATANCHORS@LISTSERV.TEMPE.GOV>,

"Boatanchors Reflector-Jack" <boatanchors@theporch.com>,

"CW Reflector" <cw@qth.net>, "Homebrew Reflector" <homebrew@qth.net>,

"SWL Reflector" <swl@qth.net>,

"Test Equipment Reflector" <test-equipment@qth.net>

Subject: Website

Date: Sun, 15 Apr 2001 19:51:20 -0400

Message-ID: <CKEGICNFDIMCEKEDCEHFCEABGNAA.n4xy@att.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hi Folks... I have updated my website in several areas... but more importantly, have-I believe-cured a problem plaguing me for about a year. If you have been to my site and have not been able to see some of the 'objects' or photos on the site, I have-hopefully-cured it. I invite you to take a fresh look. And in the next few weeks: the audio switcher project design has been frozen, and I am hard at work on the entire suite of schematics. They will be added as they are completed. Thanks for the BW.

73 Ed Tanton N4XY <n4xy@arrl.net>

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;

SEDXC NCDXA GACW QRP-ARCI

OK-QRP QRP-L #758 K2 (FT) #00057

R-390: Motorola SN: 374

R-390-A: Capehart SN: 2241

51S-1 WE SN: 4389

Message-ID:
<07A064EA6042D4118A62009027F70E7705183F@nt_exchange.vifp.monash.edu.au>
From: Morris Odell <MorrisO@vifp.monash.edu.au>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Manual
Date: Mon, 16 Apr 2001 10:23:39 +1000
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi all,

Not strictly a boatanchor but certainly heavy enough to qualify. I need a manual for a Racal MA1101 preselector - anyone able to help?

As usual, all costs refunded etc...

73, Morris

Message-Id: <3.0.3.32.20010415202447.00f825e0@mindspring.com>
Date: Sun, 15 Apr 2001 20:24:47 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@mindspring.com>
Subject: anyone have a new 4-400 or 4-250?
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Would like to get a spare for my Globe King 500.
Thanks!
John

Date: Sun, 15 Apr 2001 11:18:23 -0700
From: "Dennis L. Wade" <dlwade@pacbell.net>
Subject: Foothill swap/Measurements Model 80
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <3AD9837F.13942.8C009D6@localhost>
MIME-version: 1.0

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Happy Easter to All!

I went to the Foothill College swap meet yesterday for the first time in three years with my fiancée. It was, of course Easter weekend, but I thought turnout was sort of low, with even more computer folks there than I remember from the last time.

We came home with a new addition to the family...a Measurements Model 80 sig gen. (\$22) :)

Although I haven't opened it up yet, its in surprisingly good cosmetic shape...meter faces are just about pure white, knobs and front panel finishes in excellent shape and a modern line cord. I am in search of a manual for it as well as any other info that might be useful. Coping/postage costs gladly reimbursed.

I'd also like to hear any general comments on the Model 80 as to its quality and usefulness for general BA servicing and alignment. (I did notice it only goes down to 2 mhz).

Thanks!

Dennis
KG6ZI
Rocklin, CA

Message-Id: <3.0.1.32.20010416090528.010dc530@vuse.vanderbilt.edu>
Date: Mon, 16 Apr 2001 09:05:28 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>
Subject: Re: HP 410B RF probe tube
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:35 AM 4/15/2001 +0200, you wrote:
>the 2-01C and EA53 are interchangeable but I remember something about
>setting the filament voltage pot inside the HP-410B. The 2-01C has a 5V
>filament and the EA53 is 6.3V.

I seriously don't think so. My recollection is that the 2-01C requires 1.5 v.

A. B. Bonds

Date: Mon, 16 Apr 2001 10:27:23 -0400 (EDT)
From: John Poulton <jp@cs.unc.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: HP 410B RF probe tube (fwd)
Message-ID: <Pine.GHP.4.10.10104161023540.25667-100000@mira.cs.unc.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have the HP 410B manual open in my lap. Schematic sez that 2-01C and EA53 are interchangeable. There's an adjustment procedure for setting the AC voltage on the filament of this tube: 5.0 volts for the 2-01C, and 6.3 volts for the EA53. A ballast tube is used to regulate the filament voltage.

Hope that helps...

73, John Poulton KF40ZY

----- Forwarded message -----
Date: Mon, 16 Apr 2001 09:05:28 -0500
From: A. B. Bonds <ab@vuse.vanderbilt.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: HP 410B RF probe tube

At 11:35 AM 4/15/2001 +0200, you wrote:
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>setting the filament voltage pot inside the HP-410B. The 2-01C has a 5V
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I seriously don't think so. My recollection is that the 2-01C requires 1.5 v.

A. B. Bonds

From: w5sum@glowbugs.com
To: Old Tube Radios <boatanchors@theporch.com>
Date: Mon, 16 Apr 2001 09:24:17 -0400
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: 805's as modulators
Message-ID: <3ADABA41.10160.66B598@localhost>

has anyone got experience using 805's to modulate 813's?
Interested because I have come up with a 450 watt mod tranny
made to modulate 813's with 805's. It also has a seperate screen
winding.

I notice the max plate voltage for the 805's is only 1500V and of course the 813's max is 2500 (I run a pair right now at 2900 with no trouble) so it sounds like it would be better to have seperate power supplies for the tubes.

anyone ever used this combination?

Ronnie

Message-ID: <D1892B7198A4D411BB7500A0C9692EC6B35AFE@hdsmsx34.hd.intel.com>
From: "Shriver, John" <john.shriver@intel.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: 7591 Substitutes ??
Date: Mon, 16 Apr 2001 08:33:28 -0700
MIME-Version: 1.0
Content-Type: text/plain;
charset="ISO-8859-1"

Oh, the 7591 is not a 6CA7/EL34. Unfortunately. Lower plate dissipation, yet the cookbook operating conditions were putting out MORE power than EL34's. Led to less than reliable amplifiers. Especially when the cookbook conditions called for fixed bias, generally provided by rectifiers that weren't very stable -- more recipe for trouble.

The EL34 draws much more filament current, so you probably can't even power them in a substitution. Also, the 7591 calls for 6600 ohms push-pull load, where the EL34 normally runs with 4300 ohms push-pull load.

This is why the most conservative 7591 replacement (other than the new Russian tubes) is to use 6L6GC grade tubes (such as the Russian 5881/6L6GB), and rebias. These tubes were normally used with a 6600 ohm load.

(Not that ANY old stock power pentode is cheap anymore! Many are destroyed every night in guitar amps around the world. "This one goes all the way up to 11!")

> -----Original Message-----
> From: Edward Zeranski [mailto:ezeran@concentric.net]
> Sent: Wednesday, April 11, 2001 7:32 PM
> To: Old Tube Radios
> Subject: Re: 7591 Substitutes ??
>
> Aren't those the same as EL34 used in late '50s-early'70s
> HiFi? EICO, given
> its HiFi roots, used tubes like that and GZ-34/5AR4 in its
> designs like
> #730 modulator.

>
>

End of BOATANCHORS Digest 3144
